

# Claims

- [c1] 1. A heart beat/respiration measuring device comprising a sensor (2) to be pressed by the human body, and a measuring circuit for measuring heart beats and/or respiration from the output of the sensor (2), the sensor (2) comprising a coil member elastically restorably deformable when subjected to pressure by being pressed by the human body, the measuring circuit comprising an LC oscillation circuit (3) wherein an inductance component and a capacitance component of the coil member serve respectively as a coil L and a capacitor C for oscillation, and a calculation processing circuit (4) for detecting variations in the oscillation frequency of the LC oscillation circuit (3) and calculating physiological data in accordance with heart beats and/or respiration based on the frequency component or components of heart beats and/or respiration included in the variations.
- [c2] 2. A heart beat/respiration measuring device according to claim 1 wherein the coil member of the sensor (2) comprises a wire wound around an elastic member.
- [c3] 3. A heart beat/respiration measuring device according to claim 1 wherein the sensor (2) is installed under the

human body lying face up, face down or on one side thereof.

- [c4] 4. A heart beat/respiration measuring device according to claim 1 wherein the sensor (2) is installed in a posture in which the pressure acts in a direction orthogonal to a winding axis of the coil member.
- [c5] 5. A heart beat/respiration measuring device according to claim 1 wherein the sensor (2) is installed in a posture in which the pressure acts in a direction along a winding axis of the coil member.